

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	86	("3628532" "3683913" "3809085" "3830238" "4015603" "4018224" "4105031" "4112948" "4137940" "4239222" "4398910" "4692153" "4710165" "4756501" "4784642" "4883474" "4941469" "4955873" "4955874" "5044362" "5045075" "5141503" "5211171" "5300050" "5318510" "5360414" "5370610" "5458567" "5484401" "5507734" "5578006" "5588167" "5807313" "6017493" "6299593" "6352525" "6638253").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
L4	161	604/541.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
L5	49272	604/541.ccls. @ay< "2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
L6	847	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:12
L7	12	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
L8	161	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12

L9	814	"604/35".CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
L10	3337771	L3 L4 L5 s11s13 L7 L6 L8 L9 "37"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
L11	359	"604/48".CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/22 09:12
L12	51322	L3 L4 L5 s11s13 L7 L6 L8 L9 L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/22 09:12
L13	7155	i12 vacuum near5 (mmHg or torr)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
L14	4486	i12 vacuum near5 (mmHg or torr) @ay< "2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:13
L15	414	i12 vacuum near5 (mmHg or torr) @ay< "2002" medical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14

L16	43	i12 high near vacuum near5 (mmHg or torr) @ay<"2002" medical	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/12/22 09:14
S1	81	("3628532" "3683913" "3809085" "3830238" "4015603" "4018224" "4105031" "4112948" "4137940" "4299222" "4398910" "4692153" "4710165" "4756501" "4784642" "4883474" "4941469" "4955873" "4955874" "5044362" "5045075" "5141503" "5211171" "5300050" "5318510" "5360414" "5370610" "5458567" "5484401" "5507734" "5578006" "5588167" "5807313" "6017493" "6299593" "6352525" "6638253"). PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:14
S2	2	"20060122575"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:18
S3	146	604/541.cds.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22
S4	22000872	604/541.cds. @ay<"2002"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/05 08:22

S5	74	604/541.ccls. @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:08
S6	2	"5360414".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:42
S7	2	"6638253".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:43
S8	2	"6017493".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S9	2	"6352525".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 08:44
S10	43931	604/541.ccls. @ay<"2002" torr or mmhg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09

S11	2	604/541.ccls. @ay<"2002" (torr or mmhg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/11/05 09:09
S12	0	604/19,48,93.01-, "164""."04,264,268,314,322".ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S13	4383	604/19,48,93.01,164.04,264,268,314,322.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/11 13:32
S14	792	drainage device, chest tube, vacuum, chest	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/11 13:33
S15	449	"604/540".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S16	11	((AKIO) near2 (WAKABAYASHI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:34
S17	2	"US 20060122575"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/11 13:34
S18	150	"604/541".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35
S19	784	"604/35".CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/11 13:35

S20	17	drainage device, chest tube, vacuum, chest torr	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 08:24
S21	4	("4182343" "4555242").PN. OR ("6299593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:31
S22	192	("0765746" "0843674" "1355679" "1355846" "1385346" "20010029956" "20020143286" "20020161346" "20030050594" "2040039415" "2232254" "2280915" "2338339" "2547758" "2969057" "3026526" "3026874" "3042041" "3367332" "3478736" "3481326" "3486504" "3520300" "3568675" "3610238" "3648692" "3682180" "3809087" "3874687" "3896810" "3908664" "3954105" "3993080" "4080970" "4096853" "4112947" "4139004" "4149541" "4165748" "4169563" "4172455" "4182343" "4224945" "4250882" "4261363" "4275721" "4297995" "4333468" "4373519" "4382441" "4392853" "4419097" "4468227" "4469092" "4475909" "4480638" "4525166" "4527064" "4533352" "4543100" "4551139" "4553967" "4569348" "4573965" "4605399" "4608041" "4624656" "4640688" "4733659" "4743232" "4759354" "4764167" "4765316" "4775909" "4778456" "4813094" "4820265" "4820284" "4834110" "4836192" "4838883" "4840187" "4851545" "4863449" "4872450" "4878901" "4897081" "4906233" "4906240" "4917112" "4919654" "4921492" "4925447" "4931519" "4936834" "4941882" "4953565" "4969880" "4969881" "4985019" "5035884" "5037397" "5045075" "5086764" "5100396" "5106362" "5113871" "5149331" "5228431" "5240862" "5261893" "5279010" "5298015" "5358494" "5370610" "5527293" "5540412" "5549584" "5618275" "5624419" "5636643" "5643229" "5645081").PN. OR ("5656588" "5664270" "5678564"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:36

		"5685859" "5686303" "5840049" "5891111" "5906016" "5911222" "5914264" "5921972" "5926884" "5931797" "6056730" "6071267" "6102935" "6117111" "6142982" "6174306" "6203563" "6290685" "6299593" "6345623" "6375240" "6387065" "6398767" "6420622" "6458109" "6468237" "6493568" "6500112" "6551280" "6553998" "6557704" "6620132" "6626891" "6641527" "6641575" "6663610" "6695823" "D364679" "D406899" "D434150" "D469175" "D469176" "D475132" "D475134" "D478659" "RE29319").PN. OR ("6979324").URPN.				
S23	59	("0545102" "1131349" "1191736" "1215512" "1740174" "2560915" "2667682" "2930378" "3421510" "3675639" "3810471" "4274417" "4382442" "4508533" "4573965" "4693257" "4723955" "4735606" "4744364" "4796637" "4852568" "4917667" "5029580" "5073164" "5108364").PN. OR ("5370610").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:55
S24	79	("0517274" "0906711" "1114268" "1178898" "1188180" "1987907" "2043630" "2199844" "2361908" "2449497" "2614563" "2804075" "3019447" "3065749" "3394705" "3430631" "3735751" "3993080" "4002170" "4068664" "4182385" "4400168" "4402684" "4447226" "4451257" "4468216" "4508533" "4512765" "4634435" "4662871" "4692140" "4708717" "4759349" "4787894" "4857047" "4915691" "4964849" "4993941" "5061180" "5125902" "5141503" "5167622" "5197949" "5203769" "5221255" "5224940" "5242386" "5248297" "5306237" "5310406" "5370610" "5374245" "5380245" "5395315" "5462528" "5464390" "5496290" "5499970" "5527276" "5562640" "5616121" "5795324").PN. OR ("6878142").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 08:58

S25	79	("2230218" "2470665" "2568566" "2614563" "2727678" "3066672" "3085573" "3142298" "3208145" "3375828" "3395705" "3416532" "3628928" "3628532" "3749090" "3810471" "3889675" "3982540" "4036210" "4049000" "4300550" "4363321" "4372336" "4382442").PN. OR ("4735606").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:00
S26	15	("3640281" "3680562" "3840008" "4167939" "4291694" "4684369" "Re31855").PN. OR ("4936834"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:14
S27	57	("2930378" "4084606" "4294251").PN. OR ("4573965"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:18
S28	52	("1245845" "2074223" "3115138" "3291151" "3398743" "3572340" "3592365" "3774611" "3779243" "3782384" "3809086").PN. OR ("4112947"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:44
S29	29	("3125095" "3407817" "3905361" "3908664").PN. OR ("3993080").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 09:49
S30	61	("2712950" "3090396" "3159378" "3426759" "3929126" "3950014" "4134573" "4193406" "4212300").PN. OR ("4451257").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 10:49
S31	18	("3142298").URPN.	USPAT	OR	OFF	2008/04/12 11:14
S32	42	("3142298" "3812855" "3882861" "3918453" "4180074" "4261360" "4443218" "4444545" "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:20
S33	42	("3142298" "3812855" "3882861" "3918453" "4180074" "4261360" "4443218" "4444545" "4468219").PN. OR ("4710165").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 11:39

S34	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6293593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-4180074-\$).did. or (US-3142298-\$ or US-2930378-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/12 13:45
S35	9	S34 tube hole hg	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 13:46

S36	3	S34 tube hole near 20 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/12 14:26
S37	337	"604/48" CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 05:36
S38	3	"US 6299593"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/04/13 05:37
S39	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2830378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4396910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738656-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:05

		4180074-\$).did. or (US-3142298-\$ or US-2930378-\$).did.				
S40	14	(US-20060122575-\$ or US-20070135795-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$).did. or (US-6638253-\$ or US-6352525-\$ or US-6017493-\$ or US-5360414-\$ or US-4692153-\$ or US-6543452-\$ or US-5527276-\$ or US-5429601-\$ or US-4317452-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/04/13 06:06
S41	14	S40 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:06
S42	81	(US-20070135795-\$ or US-20060122575-\$ or US-20040073154-\$ or US-20020082587-\$ or US-20020058915-\$ or US-20030050594-\$ or US-20020161346-\$ or US-20020143286-\$ or US-20010029956-\$).did. or (US-6543452-\$ or US-5527276-\$ or US-4692153-\$ or US-4317452-\$ or US-5360414-\$ or US-6638253-\$ or US-6017493-\$ or US-6352525-\$ or US-5429601-\$ or US-6299593-\$ or US-6979324-\$ or US-6641575-\$ or US-6626891-\$ or US-6620132-\$ or US-4182343-\$ or US-5370610-\$ or US-6989016-\$ or US-6878142-\$ or US-4735606-\$ or US-4936834-\$ or US-4820284-\$ or US-4573965-\$ or US-4112947-\$ or US-3993080-\$ or US-7141045-\$ or US-3908664-\$).did. or (US-3520300-\$ or US-5800408-\$ or US-5108364-\$ or US-4917667-\$ or US-4508533-\$ or US-4382442-\$ or US-3810471-\$ or US-3421510-\$ or US-2930378-\$ or US-1740174-\$ or US-6849061-\$ or US-5980483-\$ or US-D303840-\$ or US-4421505-\$ or US-4398910-\$ or US-D248969-\$ or US-5380245-\$ or US-5221255-\$ or US-5203769-\$ or US-5141503-\$ or US-4451257-\$ or US-4182385-\$ or US-4068664-\$ or US-2614563-\$ or US-1188180-\$ or US-5738856-\$ or US-5417664-\$).did. or (US-3416532-\$ or US-4291694-\$ or US-3680562-\$ or US-5100395-\$ or US-5223228-\$ or US-5149325-\$ or US-7338482-\$ or US-5186714-\$ or US-4710165-\$ or US-7335334-\$ or US-7214202-\$ or US-7204958-\$ or US-7201870-\$ or US-7198751-\$ or US-6648862-\$ or US-5419768-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 06:31

		4180074-\$). did. or (US-3142298-\$ or US-2930378-\$). did.				
S43	0	S42 tube hole near20 damage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:31
S44	1	S42 tube hole near20 injury	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S45	6	S42 tube hole near20 suction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 06:32
S46	47	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:46
S47	16	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 06:47
S48	5	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:07

S49	1	S42 tube (drain\$4 or hole) near10 (pressure or vacuum or suction) (torr or hg) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:16
S50	3	S42 (drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:17
S51	0	S42 (injury or damage) near20 hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:26
S52	1	S42 (injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S53	2613	(injury or damage) near20 hole hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27
S54	216	(drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size	US-PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:27

S55	117	(drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28
S56	105	tube (drain\$4 or hole) near10 (pressure or vacuum or suction) tissue near20 (injury or damage) hole near5 size @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:28
S57	1	tube near20 hole with (pressure or vacuum or suction) (injury or damage or harm\$5) with (hole near5 size) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:44
S58	988	tube with hole with (size or diameter) with (vacuum or pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:48
S59	24351377	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/13 07:49
S60	499	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/04/13 07:49

S61	878	tube with hole with (size or diameter) with (vacuum or pressure) @ay<"2002"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:49
S62	3	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:51
S63	7	tube with hole with (size or diameter) with (vacuum or pressure) with (injury or damage or harm)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:52
S64	154	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S65	41	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54
S66	14	tube with hole with (size or diameter) with (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:54

S67	37	tube with hole with (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:56
S68	165	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:58
S69	17	tube same hole same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 07:59
S70	55	tube same (hole or open\$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:22
S71	38	tube same (hole or open\$5 or orifice) same (size or diameter) same (vacuum or pressure) same (injury or damage or harm) @ay<"2002" human not S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/04/13 08:23
S72	23	("0340739" "4072153" "4227533" "4257422" "4573965" "4579120" "4579555" "4838881" "4919167" "4925452").PN. OR ("5100395").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/13 17:22

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